
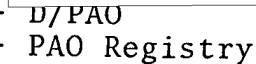
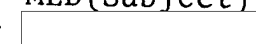



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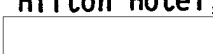
13 October 1988

STAT

MEMORANDUM FOR: Deputy Director of Central Intelligence

FROM: William M. Baker  
Director, Public Affairs Office

SUBJECT: Address of the American Association for the  
Advancement of Science

1. This is background information for your address of the American Association for the Advancement of Science (AAAS) Colloquium on Science, Arms Control and National Security on Friday, 14 October. The breakfast meeting will be from 8:00 a.m. - 9:15 a.m. at the Capital Hilton Hotel, 16th & K Streets, NW, Washington, D.C. Phone: 393-1000.  will attend the program.

2. Arrangements for Your Address of the AAAS Breakfast Meeting: You are asked to be at the Association's registration desk in the upper lobby on the second floor of the hotel at 7:45 a.m. Staff members will meet you and escort you to the Congressional Senate Room. Your host, Vice President of System Planning Corporation, Sidney N. Graybeal, will escort you to the head table. (See tab opposite for biography.) Breakfast will be served at 8:00 a.m. and your remarks on "Recent Developments in the Soviet Union and Implications for US Security Policy" are scheduled to begin at approximately 8:30 a.m. Mr. Graybeal will introduce you. The suggested format is 30 minutes of remarks followed by 15 minutes of questions and answers. A podium and microphone will be available near your table.

You will be seated with Mr. Graybeal and other members of the Committee on Science, Arms Control and National Security. (See tab opposite for list.) Since seating is not on an assigned basis, a head table seating list is not available. DCI Security will tape your remarks for the Agency's historical records. The meeting also will be taped by the Association for publication in their proceedings, and we will have an opportunity to review the proceedings prior to publication.

Audience: You can expect 200 - 250 scientists, academicians, and students. Approximately two-thirds of the audience will be representatives from high technology defense-related industries and DOD. Staffers from Senator Edward Kennedy's and Senator Tom Harkin's offices also will attend. Since members from the Soviet, Yugoslav, Czechoslovak, Bulgarian, Finnish, Canadian, Australian, and Brazilian embassies were invited you could expect diplomats from these countries to be in the audience.

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Media: Although the TV, radio and print press including members of the foreign press have been invited to attend the Colloquium, the Association does not know at this time who will cover your address. (See tab opposite for list of invited media and the press release.) According to the Association, reporters primarily from journals such as AVIATION WEEK & SPACE TECHNOLOGY will be present. TV coverage is not anticipated, but the VOICE OF AMERICA will attend. The media which will be seated with the rest of the audience may ask questions in the question and answer session but the Association said the reporters seldom participate.

Background: The AAAS founded in 1848 is the largest general scientific organization representing all fields of science. The organization has a budget of \$35,000,000 and a membership of 132,000 individuals and 300 scientific societies. The AAAS publishes the weekly journal SCIENCE. The Program on Science, Arms Control and National Security has the responsibility within the AAAS to develop and focus the scientific, technical, and organizational resources of the Association on effective approaches toward conflict resolution, control of nuclear weapons, and improvement of national security assets. (See background tab opposite for further information.)

The program for the third annual Colloquium on Science, Arms Control, and National Security is "Science and Security: Issues of Technology and Arms Control for the 1990s." In its first two years, the Colloquium has established itself as a major event in the scientific and defense policy communities.

Previous speakers have included Paul Nitze, General James Abrahamson, Kenneth Adelman, and Les Aspin. The Colloquium's program this fall includes Senator Albert Gore, Provost of MIT John Deutch, Assistant Secretary of Defense Ronald Lehman, Associate Director of Lawrence Livermore National Laboratory Michael May, Vice President of Kissinger Associates Brent Scowcroft, and Director Emeritus of the Linear Accelerator Center at Stanford University Wolfgang Panofsky. (See tab opposite for program.)

STAT

  
William M. Baker

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**Page Denied**

Next 2 Page(s) In Document Denied

## COMMITTEE ON SCIENCE, ARMS CONTROL, AND NATIONAL SECURITY

Mr. Sidney N. Graybeal  
(Chairman)  
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System Planning Corp.  
1500 Wilson Blvd.  
Arlington, VA 22209  
(703) 841-2800

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Associate Director  
Center for Science &  
International Affairs  
Associate Professor of  
Public Policy  
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Mr. Dick Clark  
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Aspen Institute for  
Humanistic Studies  
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Arms Control Advisor  
Union of Concerned  
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Global Outlook  
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Exec. Vice President  
The Rockefeller Univ.  
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(212) 570-8052

Dr. Joseph S. Nye, Jr.  
The JFK School of Govt.  
Harvard University  
79 John F. Kennedy St.  
Cambridge, MA 02138  
(617) 495-1148

Dr. Eberhardt Rechtin  
President Emeritus  
Aerospace Corporation  
P.O. Box 92957  
Los Angeles, CA 90009  
(213) 336-5872

Mr. John B. Rhinelanders  
Shaw, Pittman, Potts, &  
Trowbridge  
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Washington, D.C. 20037  
(202) 663-8048

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Stanford University  
Stanford, CA 94305  
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Ms. Cynthia Roberts  
Dept. of Political Sci.  
Hunter College  
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Vice Chairman  
Kissinger Assoc., Inc.  
1875 Eye St., N.W.  
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(202) 861-0006

Dr. Alvin Trivelpiece  
(ex-officio)  
Executive Officer, AAAS  
1333 H St., N.W.  
Washington, D.C. 20005  
(202) 326-6440

Mr. William T. Golden  
(Board Liaison)  
40 Wall Street  
New York, NY 10005  
(212) 425-0333

Dr. W. Thomas Wander  
Program Head, AAAS  
Program on Science,  
Arms Control, &  
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Washington, D.C. 20005  
(202) 326-6490

February 1988

## PRESS PRE-REGISTERED FOR AAAS 1988 ARMS CONTROL COLLOQUIUM AS OF 10-6-88

Johann Aeschlimann	BASLER ZEITUNG (Switzerland)
Seth Arenstein	DEFENSE DAILY
Sely Arndt	FEDERATION OF AMERICAN SCIENTISTS
Caleb Baker	NAVAL WARFARE REPORTS
Tim Beardsley	SCIENTIFIC AMERICAN
Ted Bonnitt	WORLD SPACE REPORT
Dan Charles	NEW SCIENTIST
Marty Cohen	JANE'S DEFENCE GROUP
Maj. Henry Collins	USIA
Tom Cremins	SPACELINE
Paug Denig	USIA
Theresa Foley	AVIATION WEEK & SPACE TECHNOLOGY
Victor Franzusoff	VOICE OF AMERICA
Paul Jaszka	DEFENSE ELECTRONICS
Jim Kelman	USIA
Hugh Lucas	JANE'S DEFENCE WEEKLY
Jenifer Mackby	UNITED NATIONS
Suzan C. Mazur	freelance
Nancy J. Myers	BULLETIN OF THE ATOMIC SCIENTISTS
Llyod Neighbors	USIA
Colin Norman	SCIENCE
L. Paldy	JOURNAL OF COLLEGE SCIENCE TEACHING
Kathleen Peters	NMK JAPAN BROADCASTING CORP.
Elizabeth Pond	CHRISTIAN SCIENCE MONITOR
John Roberts	VOICE OF AMERICA
Masami Shimizu	NIHON KEIZAI SHIMBUN (Japan Economic Journal)

OCT 06 '88 15:15 SCIENCE MAG

Press Pre-Registered for AAAS 1988 Arms Control Colloquium as of 10-6-88, <sup>P.3</sup> page 2

R. Jeffrey Smith	WASHINGTON POST
Bruce Van Voorst	TIME MAGAZINE
John Waring	freelance
Wei Guoqiang	XIN HUA NEWS AGENCY
David B. Wood	NEWHOUSE NEWS SERVICE

N E W S F R O M

# AAAS

American Association for the Advancement of Science, 1333 H Street, N.W., Washington, D.C. 20005

FOR IMMEDIATE RELEASE  
(Mailed 13 September 1988)

CONTACT: Joan Wrather  
(202) 326-6440

## TECHNOLOGY AND ARMS CONTROL IN 1990s TO BE FOCUS OF AAAS COLLOQUIUM -- 13-14 OCTOBER 1988

Washington, D.C. . . . As a new decade and a new administration begin, what will be the key arms control issues? How will the balance between nuclear and conventional forces be resolved? What will be the effect of deep reductions in strategic nuclear forces? Will the United States and the Soviet Union be able to build on the arms control agreements of the 1980s? How will advances in technology affect arms control issues?

These are the issues to be addressed at the third annual American Association for the Advancement of Science (AAAS) Colloquium on Science, Arms Control, and National Security.

"Science and Security: Technology and Arms Control for the 1990s" will be held Thursday and Friday, 13 and 14 October 1988, at the Capital Hilton Hotel in Washington, D.C.

In addition to plenary sessions, small groups will focus on European security after INF, changing Soviet military doctrine, ASAT weapons/arms control, verifying arms control agreements, nuclear testing, and technology advances in strategic defenses.

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**Technology and Arms Control Colloquium, page 2**

Featured speakers will include John Deutch, provost, Massachusetts Institute of Technology; Robert Gates, deputy director, Central Intelligence Agency; Senator Albert Gore, Jr., (D-Tenn); Ronald Lehman, assistant secretary of defense for international security policy; Michael May, associate director, Lawrence Livermore National Laboratory; Brent Scowcroft, vice chairman, Kissinger Associates; and Wolfgang Panofsky, director emeritus, Stanford Linear Accelerator Center, Stanford University.

Some 400 participants from science, government, business, and citizen groups are expected to take part in both the plenary sessions and the smaller group discussions during the Colloquium.

A preliminary program for "Science and Security: Technology and Arms Control for the 1990s" is enclosed.

The American Association for the Advancement of Science (AAAS) formed in 1848, is the country's leading general scientific organization. It currently has more than 132,000 individual members and nearly 300 affiliated scientific and engineering societies and academies of science. The AAAS publishes the weekly journal Science.

###

**NOTE TO JOURNALISTS:** Members of the press are invited to attend the Colloquium. There is no registration fee for press personnel, but pre-registration is requested. Please fill out the attached form and return it to the AAAS Office of Communications or call the contact number on the letterhead. Those wishing to make meal reservations must so indicate on the registration form and enclose remuneration (make checks payable to AAAS). Seating space will be available for reporters who only wish to hear luncheon and breakfast speakers; they need not make meal reservations. A final program will be distributed to press personnel who register in advance of the Colloquium.



OCT 06 '88 15:17 SCIENCE MAG

P.6

AAAS COLLOQUIUM ON SCIENCE, ARMS CONTROL, AND NATIONAL SECURITY

PRESS PRE-REGISTRATION FORM

RETURN BY 3 OCTOBER TO:

Joan Wrather, AAAS,  
Office of Communications,  
1333 H Street, N.W.,  
Washington, D.C. 20005

\_\_\_\_\_ I will attend the AAAS Colloquium on Science, Arms  
Control, and National Security, 13 and 14 October  
1988, at the Capital Hilton Hotel, Washington, D.C.

NAME: \_\_\_\_\_

AFFILIATION: \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

\_\_\_\_\_ PHONE: \_\_\_\_\_

I enclose payment for the following meals:

\_\_\_\_\_ Lunch, Thursday, 13 October 1988 (\$25)

\_\_\_\_\_ Breakfast, Friday, 14 October 1988 (\$9)

\_\_\_\_\_ Lunch, Friday, 14 October 1988 (\$25)

\_\_\_\_\_ I will not attend the Colloquium, but would be interested in  
receiving more information.

*Third Annual AAAS Colloquium on Science, Arms Control & National Security*

# **Science and Security: Technology and Arms Control for the 1990s**

**13-14 October 1988**

**Capital Hilton Hotel ♦ Washington, DC**

## **Schedule of Events**

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### **Thursday, October 13**

- 8:00 a.m.            **REGISTRATION**
- 9:00 a.m.            **PLENARY SESSION: The U.S. Defense Technology Base: Issues for the 1990s.**  
Panelists: John Deutch, *Provost, Massachusetts Institute of Technology*; John  
Zysman, *Co-Director, Berkeley Roundtable on the International Economy*;  
Alexander Flax, *President Emeritus, Institute for Defense Analysis*.
- 11:00 a.m.            **PLENARY SESSION: Qualitative Factors in the Nuclear and Conventional  
Force Balance.** Panelists: Jasper Welch, *Member, Board of Directors, Science  
Applications International Corporation*; Sir Ronald Mason, *Professor of  
Chemical Physics, University of Sussex, England*; Charles Zraket, *President,  
MITRE Corporation*.
- 12:30 p.m.            **LUNCHEON ADDRESS: A START Agreement and Beyond: Implications for  
American Nuclear Forces and Strategy.** Speaker: Member of Congress, to be  
announced.
- 2:00 p.m.            **PLENARY SESSION: Deep Reductions in Strategic Offensive Nuclear Forces:  
Implications for Force Structure, Stability, and National Security.** Panelists:  
Ronald Lehman, *Assistant Secretary of Defense for International Security  
Policy, U.S. Department of Defense*; Michael May, *Associate Director,  
Lawrence Livermore National Laboratory*; Brent Scowcroft, *Vice Chairman,  
Kissinger Associates*.
- 4:45 p.m.            **OPEN FORUM: Issues in Science, Arms Control, and National Security.**  
Colloquium panelists and members, AAAS Committee on Science, Arms  
Control & National Security.
- 6:00 p.m.            **RECEPTION**

*Continued on back.*

## Friday, October 14

- 7:30 a.m.            **REGISTRATION**
- 8:00 a.m.            **BREAKFAST ADDRESS: The Future of U.S.-Soviet Relations. Speaker: Robert Gates, Deputy Director, Central Intelligence Agency.**
- 9:30 a.m.            **SMALL GROUP DISCUSSIONS — Block I.**
- European Security After INF. Panelists: Jonathan Dean, Arms Control Adviser, Union of Concerned Scientists; Peter Lyddon, Assistant Director, Defence Policy, British Ministry of Defence.**
- Changing Soviet Military Doctrine and Its Impact on Force Structure and Arms Control. Panelists: Raymond Garthoff, Senior Fellow, Brookings Institution; additional panelist, to be announced.**
- ASAT Weapons and Arms Control. Panelists: John Pike, Associate Director, Space Policy, Federation of American Scientists; Henry Cooper, Chief Negotiator, Nuclear and Space Arms Talks, U.S. Department of State.**
- 11:15 a.m.            **SMALL GROUP DISCUSSIONS — Block II.**
- Verifying Arms Control: Implementation of Major Agreements in the 1990s. Panelists: Sidney Graybeal, Vice President for Strategic Policy, System Planning Corporation; Sally Horn, Director, Verification Policy, Office of Nuclear Forces and Arms Control Policy, U.S. Department of Defense.**
- Strategic Defenses: Technology Advances and the ABM Treaty in the 1990s. Panelists: Ashton Carter, Associate Director, CSLA, John F. Kennedy School of Government, Harvard University; Louis Marquet, Director of Optics and Infrared Programs, Atlantic Aerospace Electronics Corporation.**
- Nuclear Testing: Technical Requirements for and Implications of New Limits. Panelists: Thomas Cochran, Senior Staff Scientist, Natural Resources Defense Council; Robert Barker, Assistant to the Secretary of Defense (Atomic Energy), U.S. Department of Defense.**
- 1:00 p.m.            **CLOSING LUNCHEON ADDRESS: Scientists and Security: The Role of Science in Making National Security Policy. Speaker: Wolfgang Panofsky, Director Emeritus, Stanford Linear Accelerator Center, Stanford University.**
- 2:30 p.m.            **COLLOQUIUM ADJOURNS**

**The American Association for the Advancement of Science**

ification by the board. Conducts research in the evaluation of competency for professional practice in the safety professions. Compiles statistics. Maintains small library. Committees: Examination; Maintenance of Certification; Professional Concerns. Publications: (1) Newsletter, 3/year; (2) Directory, biennial (with annual supplement); also publishes technical reports. Affiliated With: American Industrial Hygiene Association; American Society of Safety Engineers; Society of Fire Protection Engineers; System Safety Society (sponsoring organizations). Convention/Meeting: two board of directors meetings per year - always February and September, Tampa - St. Petersburg, FL and Los Alamos, NM.

**\*6725★ AMERICAN SOCIETY OF SANITARY ENGINEERING (Sanitation) (ASSE)**

P.O. Box 40362 Phone: (216) 835-3040  
Bay Village, OH 44140 Gael H. Dunn, Exec.Sec.  
Founded: 1906. Members: 2700. Local Groups: 32. Plumbing officials, sanitary engineers, plumbers, plumbing contractors, building officials, architects, engineers, designing engineers, physicians, and others interested in health. Conducts research on plumbing and sanitation and develops performance standards for components of the plumbing system. Sponsors disease research program and other studies of water-borne epidemics. Committees: Adequate Plumbing Requirements; Air-Conditioning Water Supply and Waste; Buildings (Hot Water, Steam and Gas); Cross-Connections; Drainage; Energy; Health Protection and Disease Prevention; Mobile Homes and Parks; Plumbing and Disease Organisms; Pressure and Temperature Control Valves; Rainwater Disposal; Sewage Disposal; Sterilization of Food and Drink; Swimming Pools; Utensils; Water Conservation. Publications: (1) News Letter, monthly; (2) Year Book; also publishes Cross-Connection Control Booklet, Performance Standards, Plumbing Dictionary, and Plumbing Inspection Manual. Formerly: American Society of Inspectors of Plumbing and Sanitary Engineering. Convention/Meeting: annual - 1987 Las Vegas, NV; 1988 Portland, ME; 1989 New Orleans, LA.

**\*6726★ CONFERENCE OF STATE HEALTH AND ENVIRONMENTAL MANAGERS (Sanitation) (CSSE)**

One Deerfield Dr. Phone: (518) 273-7917  
Troy, NY 12180 Dr. Meredith Thompson, Exec. Officer  
Founded: 1920. Members: 171. Chief sanitary engineering and environmental officials of departments of health and environmental agencies in the states, territories, and possessions of the United States and assistants and associates of such officials. To coordinate the public health and environmental engineering and sanitation activities of official state and territorial health, natural and human resources, and environmental organizations and provide for policy determination and exchange of information. Conducts research and surveys; compiles information on agency personnel compensation. Attends congressional hearings and provides testimony; cooperates with state and federal agencies through committees. Committees: Air; Environmental Planning and Program Development; General Environmental Health; Indian Health; Milk and Food Protection; Occupational Health; Personnel Management; Radiological Health; Solid and Hazardous Waste; Swimming Pools and Bathing Beaches; Training and Personnel; Waste Water; Water Supply. Publications: (1) Committee Reports, annual; (2) Directory of State Environmental Concerns, annual; (3) Proceedings, annual; (4) Joint Publications, periodic also publishes guidelines and manual. Formerly: (1985) Conference of State Sanitary Engineers. Convention/Meeting: annual conference.

**\*6727★ INTER-AMERICAN ASSOCIATION OF SANITARY AND ENVIRONMENTAL ENGINEERING (Sanitation) (AIDIS)**

18729 Considine Dr. Phone: (301) 492-7686  
Brookeville, MD 20833 Dr. Richard F. Cole, Sec.-Treas.  
Founded: 1946. Members: 5000. Sections: 25. Sanitary engineers in government, private business, and educational institutions throughout the Western Hemisphere. Promotes study and solution of sanitary engineering and environmental problems as a necessary condition for economic and social development in the Americas and for advancing hemispheric understanding; establishes uniform standards for permanent protection of health of all the inhabitants of the Western Hemisphere. Presents awards. Publications: (1) Ingeniera Sanitaria (in English and Spanish), quarterly; (2) Newsletter, quarterly; (3) Directory, periodic. Formerly: Inter-American Association of Sanitary Engineering; (1981) Inter-American Association of Sanitary Engineering and Environment. Convention/Meeting: biennial international congress (with exhibits).

**\*6728★ ACADEMY OF APPLIED SCIENCE (AAS)**

Two White St. Phone: (603) 225-2072  
Concord, NH 03301 Howard S. Curtis, Exec.V.Pres.  
Founded: 1962. Members: 300. Staff: 4. Local Groups: 11. Scientific and educational organization dedicated to the advancement and recognition of scientific creativity. Membership includes: persons who have made a significant and creative contribution in applied science, engineering, technological management or administration; persons interested in applied science and engineering, or in advancing and encouraging scientific and technological creativity; and firms, agencies, organizations, or institutions that are engaged in, or interested in, the advancement of applied science, creative engineering,

and management. Sponsors Junior Science and Humanities Symposia in 43 regions throughout the U.S. Special projects include underwater and Loch Ness research. Sponsors competition; presents awards. Offers specialized education; conducts research programs; publishes monographs. Conducts conferences. Programs: Research Engineering and Apprenticeship.

**\*6729★ ACADEMY FOR INTERSCIENCE METHODOLOGY (AIM)**

1313 E. 60th St. Phone: (312) 667-0240  
Chicago, IL 60637 Martin E. Persky, Exec.Dir.  
Founded: 1961. Members: 20. Staff: 20. State Groups: 2. Research scientists who conduct research and educational programs in interdisciplinary areas including science, mathematics, and computer systems. Publishes research reports. Convention/Meeting: semiannual technical meeting.

**\*6730★ AFRICAN SCIENTIFIC INSTITUTE (Science) (ASI)**

P.O. Box 12161 Phone: (415) 653-7027  
Oakland, CA 94604 Lee O. Cherry, Exec.Dir.  
Founded: 1967. Budget: Less than \$25,000. Nonmembership. Encourages minority youth to pursue careers in science and engineering. Serves as a forum for the exchange of technical information and expertise. Sponsors Science and Technology Awareness Program to assist people in feeling comfortable with science and the technology surrounding them and the African Relief Fund to minimize the crises of drought and famine in Africa by utilizing available technology, conducting research on Africa's resources, and encouraging coordinated efforts between other groups concerned with Africa. Compiles statistics. Maintains placement service and speakers' bureau. Publications: (1) SciTech (newsletter), monthly; (2) Blacks in Science Calendar, annual. Formerly: (1975) Dignity Institute of Technology. Convention/Meeting: None.

**\*6731★ AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (AAAS)**

1333 H St., N.W. Phone: (202) 326-6400  
Washington, DC 20005 William D. Carey, Exec. Officer  
Founded: 1848. Staff: 250. Budget: \$35,000,000. The largest general scientific organization representing all fields of science. Membership includes 135,000 individuals and 285 scientific societies, professional organizations and state and city academies (many of which sponsor junior academies of science). Objectives are to further the work of scientists and to improve the effectiveness of science in the promotion of human welfare. Conducts seminars and colloquia on scientific issues. Presents the AAAS-Westinghouse Science Journalism Awards, Newcomb-Cleveland Award, AAAS Prize for Behavioral Science Research, AAAS Scientific Freedom and Responsibility Award, and the AAAS-Philip Hauge Abelson Prize. Holds annual Symposium and lecture. Committees: Arid Lands; Climate; Opportunities in Science; Public Understanding of Science and Technology; Science, Arms Control, and National Security; Science, Engineering and Public Policy; Scientific Freedom and Responsibility. Sections: Agriculture; Anthropology; Astronomy; Atmospheric and Hydrospheric Sciences; Biological Sciences; Chemistry; Dentistry; Engineering; Geology and Geography; History and Philosophy of Science; Industrial Science; Information, Computing and Communication; Mathematics; Medical Sciences; Pharmaceutical Sciences; Physics; Psychology; Social, Economic, and Political Sciences; Social Impacts of Science and Engineering. Publications: (1) Science, weekly; (2) Science Books and Films, 5/year; (3) Science Education News, quarterly; (4) Handbook, annual; (5) Research and Development in Federal Budget, annual; also publishes Symposium Volumes, compendia from science and general reference works.

**\*6732★ AMERICAN ASSOCIATION OF SCIENTIFIC WORKERS (Science) (AASW)**

c/o Prof. Robert J. Rutman  
School of Veterinary Medicine  
University of Pennsylvania  
Philadelphia, PA 19174 Phone: (215) 898-8869  
Prof. Robert J. Rutman, Exec.Sec.  
Founded: 1946. Scientists concerned with the national and international relations of science and society and with organizational aspects of science. Maintains regular communication and contact with scientists all over the world. Publications: Scientific World, quarterly.

**\*6733★ AMERICAN COMMITTEE FOR THE WEIZMANN INSTITUTE OF SCIENCE (ACWIS)**

515 Park Ave. Phone: (212) 752-1300  
New York, NY 10022 Jeannette Krauss, Assoc.Dir.  
Founded: 1944. Regional Groups: 12. Organized for the purposes of: establishing the Weizmann Institute of Science in Rehovot, Israel; broadening awareness of its purposes; raising funds for its development as an institution for fundamental scientific research addressed to the progress of mankind. Holds annual dinner. Publications: Weizmann World (newsletter), 2-3/year.

**\*6734★ AMERICAN MISCELLANEOUS SOCIETY (Science) (AMSOC)**

c/o Dr. John Knauss  
Graduate School of Oceanography  
University of Rhode Island  
Kingston, RI 02881 Dr. John Knauss, Exec. Officer  
Informal group of prominent scientists who hold private discussions on a va-



## American Association for the Advancement of Science Program on Science, Arms Control, and National Security

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Dear Colleague:

**Technology and Arms Control for the 1990s**, the third annual AAAS Colloquium on Science, Arms Control, and National Security, will be held on October 13–14, in Washington, DC. For each of its first two years, this annual conference has gathered together some 400 government policymakers, scientists, academics, and other interested parties, to examine the interaction of science and security. Major sessions at this year's meeting will feature:

**Top-level U.S. and foreign government officials** such as **Ronald Lehman**, assistant secretary of defense for international security policy, **Robert Gates**, deputy director of the Central Intelligence Agency, and **Peter Lyddon**, assistant director of Britain's Defence Policy Staff.

**Nationally recognized experts** such as **John Deutch**, MIT, **Brent Scowcroft**, Kissinger Associates, **Jonathan Dean**, Union of Concerned Scientists, **Michael May**, Lawrence Livermore National Laboratory, and **Wolfgang Panofsky**, Stanford University, will present their views in this important forum.

The importance of this colloquium lies in the unique ability of the AAAS to examine, in a broad and balanced way, issues at the intersection of science/technology and arms control/national security policy. As we enter into the 1990s, the new presidential administration must consider how to best utilize the advances in technology and build upon the arms control agreements of the 1980s.

**Plenary sessions** will focus on *The U.S. Defense Technology Base in the 1990s*, *Reductions in Strategic Offensive Nuclear Forces*, and *Qualitative Factors in the Nuclear and Conventional Force Balance*. **Major addresses** will discuss *The Future of U.S. – Soviet Relations*, and *The Role of Science in Making National Security Policy*. **Small group sessions** will provide you the opportunity to discuss the issues with panelists in a more informal setting. (See the enclosed colloquium program schedule for more details.)

On behalf of the AAAS Committee on Science, Arms Control, and National Security, I encourage you to be part of this timely national meeting. I look forward to seeing you in Washington.

Sincerely yours,

Alvin W. Trivelpiece  
Executive Officer  
American Association for the Advancement of Science

1333 H Street, NW, Washington, DC 20005 (202) 326-6490

*Third Annual AAAS Colloquium on Science, Arms Control & National Security*

# **Science and Security: Technology and Arms Control for the 1990s**

**13-14 October 1988  
Capital Hilton Hotel ♦ Washington, DC**

## **Schedule of Events**

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### **Thursday, October 13**

- 8:00 a.m.            REGISTRATION
- 9:00 a.m.            **PLENARY SESSION: The U.S. Defense Technology Base: Issues for the 1990s.**  
Panelists: *John Deutch, Provost, Massachusetts Institute of Technology; John Zysman, Co-Director, Berkeley Roundtable on the International Economy; Alexander Flax, President Emeritus, Institute for Defense Analysis.*
- 11:00 a.m.            **PLENARY SESSION: Qualitative Factors in the Nuclear and Conventional Force Balance.** Panelists: *Jasper Welch, Member, Board of Directors, Science Applications International Corporation; Sir Ronald Mason, Professor of Chemical Physics, University of Sussex, England; Charles Zraket, President, MITRE Corporation.*
- 12:30 p.m.            **LUNCHEON ADDRESS: A START Agreement and Beyond: Implications for American Nuclear Forces and Strategy.** Speaker: Member of Congress, to be announced.
- 2:00 p.m.            **PLENARY SESSION: Deep Reductions in Strategic Offensive Nuclear Forces: Implications for Force Structure, Stability, and National Security.** Panelists: *Ronald Lehman, Assistant Secretary of Defense for International Security Policy, U.S. Department of Defense; Michael May, Associate Director, Lawrence Livermore National Laboratory; Brent Scowcroft, Vice Chairman, Kissinger Associates.*
- 4:45 p.m.            **OPEN FORUM: Issues in Science, Arms Control, and National Security.**  
Colloquium panelists and members, AAAS Committee on Science, Arms Control & National Security.
- 6:00 p.m.            RECEPTION

*Continued on back.*

# *The 1988 Arms Control Colloquium Reader:* **Technology, Security, and Arms Control for the 1990s**

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All registrants for the colloquium receive two publications, the *1988 Arms Control Colloquium Reader* before or at the meeting, and the *1988 Colloquium Proceedings* of all panel discussions. The essays contained in the *Colloquium Reader* function as an valuable adjunct to the meeting through their detailed analysis of the issues to be explored in the colloquium sessions. A short description of the *Colloquium Reader* follows.

## **Preliminary Table of Contents**

### **I. Defense Technology**

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#### **U.S. Defense Technology Base: Issues for the 1990s**

ALEXANDER FLAX, National Academy of Engineering, *Relating Military R&D to the Civilian Economy*

Office of Technology Assessment, *What Is the Defense Technology Base?*

CLIFFORD DUNCAN, Dept. of Defense, Office of Strategic Development

#### **Qualitative Factors in the Nuclear and Conventional Force Balance**

ALEX GLUCKSMAN, Carnegie Endowment for International Peace

JACQUES GANSLER, The Analytic Sciences Corporation, *Improving Weapons Acquisition*

JOSEPHINE STEIN, Office of Technology Assessment

### **II. U.S.-Soviet Relations**

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#### **The Future of U.S.-Soviet Relations**

JERRY HOUGH, Brookings Institution

SERGEY ROGOV, Soviet Academy of Sciences, Institute of the United States and Canada, *Détente Is Not Enough For a New Model of Soviet-American Relations*

#### **Changing Soviet and U.S. Military Doctrines: Their Impact on Force Structure and Arms Control**

GEN. WILLIAM ODOM, National Security Agency, *Soviet Force Posture: Dilemmas and Directions*

MICHAEL MCCGWIRE, Brookings Institution, *Rethinking War: The Soviets and European Security*

V. NAZARENKO, Soviet Academy of Sciences, Institute of the United States and Canada, *Soviet and U.S. Military Doctrines and Arms Control*

### **III. Arms Control Issues for the 1990s**

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#### **START and Beyond: Implications for American Nuclear Forces and Strategy**

FRANK JENKINS, Science Applications International Corp.

JOHN STEINBRUNER, Brookings Institution, *The Effect of Strategic Force Reductions on Nuclear Strategy*

ANDREY KOKOSHIN, Soviet Academy of Sciences, Institute of the United States and Canada, *A Soviet View on Radical Weapons Cuts*

#### **European Security After INF**

ROBERT BLACKWILL, Kennedy School of Government, Harvard University, *The Military Aspects of European Security After INF*

DAVID RIVKIN, AAAS Fellow

KARSTEN VOIGHT, Bundestag, German Socialist Party, FRG

#### **Verifying Arms Control: Implementation of Major Agreements in the 1990s**

MICHAEL KREPON, Carnegie Endowment for International Peace

JAMES BLACKWELL, Meridian Corporation, *Mobile ICBM, ALCM, and SLCM Verification*

SIDNEY GRAYBEAL, System Planning Corporation, and PATRICIA MCFATE, The American Scandinavian Foundation, *The Role of Verification in Arms Control*

#### **Nuclear Testing: Technical Requirements for and Implications of New Limits**

VICTOR ALESSI, Dept. of Energy

HAROLD FEIVERTSON, et al., Princeton University, *A Low-Threshold Test Ban Is Feasible*

#### **Future Space Policy**

COL. ROGER G. DEKOK, National Security Council, *White House Space Policy: How It Is Made and the Rationale*

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**Third Annual AAAS Colloquium on Science,  
Arms Control, and National Security**

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**Science and Security:  
Technology and Arms Control  
for the 1990s**

**13-14 October 1988**

**Capital Hilton Hotel  
Washington, DC**

**Program on Science, Arms Control, and National Security  
American Association for the Advancement of Science**

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### **Thursday, October 13**

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8:00 a.m. <i>Upper Lobby</i>	<b>Registration</b>
9:00 a.m. <i>Presidential Ballroom</i>	<b>Welcome</b> ALVIN TRIVELPIECE, <i>Executive Officer, AAAS</i>
9:10 a.m. <i>Presidential Ballroom</i>	<b>Plenary Session — The U.S. Defense Technology Base: Issues for the 1990s</b> <b>Moderator:</b> ALVIN TRIVELPIECE, <i>AAAS</i> <b>Speakers:</b> JOHN DEUTCH, <i>Provost, Massachusetts Institute of Technology</i> ; JOHN ZYSMAN, <i>Co-Director, Berkeley Roundtable on the International Economy</i> ; ALEXANDER FLAX, <i>Home Secretary, National Academy of Engineering</i>
10:45 a.m.	<b>Break</b>
11:00 a.m. <i>Presidential Ballroom</i>	<b>Plenary Session — Qualitative Factors in the Nuclear and Conventional Force Balance</b> <b>Moderator:</b> SIDNEY GRAYBEAL, <i>Vice President, Center for Strategic Policy, System Planning Corporation</i> <b>Speakers:</b> JASPER WELCH, <i>Member, Board of Directors, Science Applications International Corporation</i> ; Sir RONALD MASON, <i>Professor of Chemical Physics, University of Sussex, England</i> ; CHARLES ZRAKET, <i>President, MITRE Corporation</i>
12:30 p.m. <i>Congressional/ Senate Rooms</i>	<b>Luncheon Address — “A START Agreement and Beyond: Implications for American Nuclear Forces and Strategy”</b> <b>Presider:</b> DICK CLARK, <i>Senior Fellow, Aspen Institute for Humanistic Studies</i> <b>Speaker:</b> The Honorable ALBERT GORE, JR., <i>(D-Tenn.), Senate Committee on Armed Services</i>

2:00 p.m.  
*Presidential  
Ballroom*

**Plenary Session — Deep Reductions in  
Strategic Offensive Nuclear Forces:  
Implications for Force Structure, Stability,  
and National Security**

**Moderator:**

ALTON FRYE, *Washington Director, Council on Foreign  
Relations*

**Speakers:**

RONALD LEHMAN, *Assistant Secretary of Defense for  
International Security Policy, U.S. Department of Defense*;  
MICHAEL MAY, *Associate Director, Lawrence Livermore  
National Laboratory*; BRENT SCOWCROFT, *Vice President,  
Kissinger Associates*; JEREMY STONE, *President,  
Federation of American Scientists*

4:30 p.m.

**Break**

4:45 p.m.  
*Presidential  
Ballroom*

**Open Forum — Issues in Science, Arms  
Control, and National Security**

**Moderator:**

SIDNEY GRAYBEAL, *Vice President, System Planning  
Corporation; Chairman, AAAS Committee on Science,  
Arms Control, and National Security*  
Colloquium panelists and members of the AAAS  
Committee on Science, Arms Control, and National  
Security

6:00 p.m.  
*Congressional/  
Senate Rooms*

**Reception**

All attendees invited. Wine, other beverages, and hors  
d'oeuvres. Hosted by AAAS.

During Colloquium hours,  
visit the book display  
in the Capital Terrace  
of the Hilton.

**Friday, October 14**

7:30 a.m.  
*Upper Lobby*

**Late Registration**

8:00 a.m.  
*Congressional/  
Senate Rooms*

**Breakfast Address — “Recent Developments  
in the Soviet Union and Implications for U.S.  
Security Policy”**

**Presider:**

SIDNEY GRAYBEAL, *System Planning Corporation*

**Speaker:**

ROBERT GATES, *Deputy Director, Central Intelligence  
Agency*

9:15 a.m.

**Break**

9:30–11:00 a.m.  
*Federal Room A*

**Small Group Discussions — Block I**

**Discussion 1 — European Security After INF**

**Moderator:**

STANLEY SLOAN, *Specialist in U.S.–Alliance Relations,  
Congressional Research Service*

**Speakers:**

JONATHAN DEAN, *Arms Control Adviser, Union of  
Concerned Scientists*; PETER LYDDON, *Assistant Director,  
Defence Policy, British Ministry of Defence*

*Federal Room B*

**Discussion 2 — Changing Soviet Military  
Doctrine and Its Impact on Force Structure  
and Arms Control**

**Moderator:**

CYNTHIA ROBERTS, *Instructor, Political Science  
Department, Hunter College*

**Speakers:**

RAYMOND GARTHOFF, *Senior Fellow, Brookings  
Institution*; PETER VIGOR, *Consultant, Soviet Studies  
Research Centre, Royal Military Academy*

*South American  
Rooms A & B*

**Discussion 3 — ASAT Weapons and  
Arms Control**

**Moderator:**

ASHTON CARTER, *Associate Director, Center for Science  
and International Affairs, Harvard University*

**Speakers:**

HENRY COOPER, *Chief Negotiator, Nuclear and Space  
Arms Talks, U.S. Department of State*; JOHN PIKE,  
*Associate Director, Space Policy, Federation of American  
Scientists*

11:00 a.m.

Break

11:15 a.m.–  
12:45 p.m.

Small Group Discussions — *Block II*

*Federal Room A*

**Discussion 4 — Verifying Arms Control:  
Implementation of Major Agreements  
in the 1990s**

**Moderator:**

MICHAEL KREPON, *Senior Associate, Carnegie  
Endowment for International Peace*

**Speakers:**

SALLY HORN, *Director, Verification Policy, Office of  
Nuclear Forces and Arms Control Policy, U.S. Department  
of Defense*; SIDNEY GRAYBEAL, *System Planning  
Corporation*

*Federal Room B*

**Discussion 5 — Strategic Defenses:  
Technology Advances and the ABM Treaty  
in the 1990s**

**Moderator:**

THOMAS KARAS, *Senior Associate, Office of Technology  
Assessment*

**Speakers:**

ASHTON CARTER, *Harvard University*; LOUIS MARQUET,  
*Director of Optics and Infrared Programs, Atlantic  
Aerospace Electronics Corporation*

*South American  
Rooms A&B*

**Discussion 6 — Nuclear Testing:  
Technical Requirements for and  
Implications of New Limits**

**Moderator:**

GREGORY VAN DER VINK, *Senior Analyst, Office of  
Technology Assessment*

**Speakers:**

ROBERT BARKER, *Assistant to the Secretary of Defense  
(Atomic Energy), U.S. Department of Defense*; THOMAS  
COCHRAN, *Senior Staff Scientist, Natural Resources  
Defense Council*

1:00 p.m.  
*Congressional/  
Senate Rooms*

**Closing Luncheon Address — “Scientists and  
Security: The Role of Science in Making  
National Security Policy”**

**President:**

WILLIAM GOLDEN, *President, New York Academy of  
Sciences*

**Speaker:**

WOLFGANG PANOFKY, *Director Emeritus, Stanford  
Linear Accelerator Center, Stanford University*

2:30 p.m.

Colloquium Adjourns

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*The AAAS Program on Science, Arms Control, and  
National Security would like to thank the Carnegie  
Corporation of New York for providing the generous  
assistance that makes this Third Annual Colloquium  
possible.*

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American  
Association  
for the Advancement of  
Science

1333 H STREET, NW, WASHINGTON, D.C., 20005 (202)326-6490  
CABLE ADDRESS: ADVANCESCI

Program on Science, Arms Control & National Security

June 14, 1988

STAT

Mr. Robert Gates  
Deputy Director  
Central Intelligence Agency  
Washington, D.C. 20505

Dear Mr. Gates:

On behalf of the American Association for the Advancement of Science, I am pleased to invite you to address our third annual Colloquium on Science, Arms Control, and National Security to be held October 13-14 at the Capital Hilton Hotel in Washington, D.C. The program is titled, "Science and Security: Issues of Technology and Arms Control for the 1990s."

Specifically, I am inviting you to deliver a major address, "The Future of U.S.-Soviet Relations." This will be a luncheon address on Thursday, October 13 (12:30-2:00 p.m.). Your remarks should run about 30-45 minutes and will be followed by a brief period for audience questions.

In its first two years, the Colloquium has established itself as a major event in the scientific and defense policy communities. Some 400 top scientists, government policymakers, business leaders, educators, and interested citizens have come to each day-and-a-half meeting to examine pressing issues at the intersection of science/technology and arms control/national security policy. The conference has successfully offered a range of expert analysis and opinion, including key Administration officials, such as Presidential Arms Control Advisor, Paul Nitze; SDIO Director, Lt. Gen. James Abrahamson; ACDA Director, Kenneth Adelman; and Science Advisor, William Graham, and other experts such as Les Aspin; Brent Scowcroft; William Perry; and Albert Carnesale. As a result, it has provided a broad and balanced examination of complex arms control and national security issues.

STAT

*D/PAD  
I will do - but can't  
tell directly about US-SSR  
Can talk about developments in  
USSR and implications  
for US.  
Discussed with Whiting*

*changed to  
breakfast  
and 14 Oct*

*Breakfast  
8-0915*

*12 June  
Iris Whiting 326-6495*

Mr. Gates  
page 2

The Colloquium on Science, Arms Control, and National Security is a significant event for those interested in the interplay of science and arms control/national security policy. The size (some 400 can be expected for your address) and quality of our audience and excellent media coverage should combine to provide you with an unusually effective platform to present your views on this timely and important topic.

I do hope your schedule will permit you to join us for this important meeting. On my behalf, a member of my staff will be calling you in the next few days to discuss the Colloquium further and to check on your availability in October.

Sincerely,

A handwritten signature in cursive script, appearing to read "Tom Wander".

W. Thomas Wander  
Program Head

WTW/imw